

Manufacturers' Shipments, Inventories, and Orders

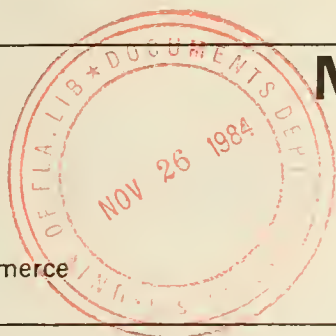
AUGUST 1983

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U.S. Department of Commerce
BUREAU OF THE CENSUS



(All figures in text are in seasonally adjusted current dollars)

New orders for manufactured goods in August increased \$1.9 billion or 1.1 percent to \$177.3 billion the Department of Commerce, Bureau of the Census reported today. This followed a 1.7 percent decline in July. Excluding a large decline in the defense capital goods category, new orders for manufactured goods increased 2.5 percent.

Shipments of manufactured goods in August increased \$2.7 billion or 1.6 percent to \$175.3 billion. Shipments have now increased 8 of the last 10 months, since reaching a low last October of \$154.2 billion. The backlog of orders held by manufacturers at the end of August was estimated at \$320.3 billion; up \$2.0 billion or 0.6 percent from July. Except for a slight decline in February, the backlog of orders has been increasing since last November when a low of \$298.1 billion was recorded.

The book value of manufacturers inventories at the end of August was estimated at \$259.9 billion, up \$1.7 billion or 0.7 percent from July. This is the largest one month increase since a 1.0 percent rise in September 1981. Virtually all of the August increase was in the materials and supplies category which increased 1.8 percent; finished goods inventories were up 0.7 percent, while work in process inventories declined 0.4 percent. The inventory to shipments ratio for August was 1.48, down from 1.50 in July, as the increase in shipments in August more than offset the large inventory increase.

New orders in the durable goods sector were up \$1.1 billion or 1.2 percent in August to \$89.3 billion. This revises upward the 0.3 percent increase reported earlier. The largest increase from July to August occurred in the transportation equipment category, where orders were up \$1.3 billion or 6.2 percent to \$21.8 billion. Increases in the motor vehicle and parts and aircraft industries were partially offset by a decline in shipbuilding. New orders for primary metals increased \$0.5 billion or 4.8 percent in August to \$10.9 billion. Although the primary metals industries have shown substantial gains since the first of the year they are still 16 percent below the peak in January 1980 of \$12.9 billion. New orders for nonelectrical machinery in August increased \$0.5 billion or 3.2 percent to \$15.3 billion, with nearly all of the specific categories showing increases. New orders for electrical machinery declined in August \$1.2 billion or 7.9 percent to \$13.5 billion, following a 9.5 percent increase last month.

Shipments in the durable goods sector were up \$2.0 billion or 2.3 percent to \$87.6 billion. Most of the increase was caused by a \$2.0 billion or 15.6 percent gain in the motor vehicle and parts category. Excluding the motor vehicle increase, shipments of durable goods showed little change; declines in the machinery and instruments and related products industries were offset by increases in most of the other categories. Shipments in the nondurable goods sector increased \$0.7 billion or 0.8 percent in August to \$87.7 billion. Most of the industries showed increases with the largest dollar increase coming in the printing and publishing industry. The largest decline was in petroleum product shipments.

The increase in the orders backlog of manufacturers in August of 0.6 percent was concentrated in the primary metals and machinery categories. Unfilled orders for primary metals increased \$0.9 billion or 3.8 percent to \$24.7 billion, while unfilled orders for machinery increased \$1.0 billion or 0.8 percent to \$120.9 billion. About two thirds of the machinery increase was in the electrical category.

The inventory increase at the end of August of \$1.7 billion or 0.7 percent was reflected in both the durable and nondurable goods sector. Inventories of durable goods manufacturers increased \$0.8 billion or 0.5 percent to \$170.5 billion as a result of widespread increases in the specific categories. Inventories of nondurable goods manufacturers increased \$0.9 billion or 1.0 percent to \$89.4 billion with most of the increase coming in the food products and chemicals industries.

Within the capital goods industries new orders for nondefense capital goods in August increased \$1.4 billion or 6.4 percent to \$23.0 billion, following an 11.2 percent decline last month. New orders for defense capital goods were down \$2.3 billion or 34 percent following a 13.1 percent decrease in July and a 66 percent increase in June. The backlog of orders for nondefense capital goods at the end of August was valued at \$119.9 billion, up \$0.5 billion or 0.4 percent from July. Since dropping from a high of \$156.8 billion in January 1981 to a low in March 1983 of \$118.7 billion, the nondefense backlog has begun edging up slightly, despite an 0.8 percent decline last month.

The advance report on durable goods for September is scheduled for release on October 25, 1983, and the full report is scheduled for release on November 2, 1983.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

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Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)															
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹						
		Monthly				Percent change			Monthly				Year to date		
		Aug. 1983 ^P	July 1983 ^F	June 1983	May 1983	July- Aug. ^P	June- July ^F	May- June	Aug. 1983 ^P	July 1983 ^F	June 1983	May 1983	1983 ^P	1982	
	All manufacturing industries	175,321	172,598	173,920	167,965	+1.6	-0.8	+3.5	171,466	158,500	182,537	168,943	1,321,899	1,279,388	
	Manufacturing industries with unfilled orders.....	88,967	88,331	88,931	85,450	+0.7	-0.7	+4.1	86,893	79,752	93,723	85,777	674,340	658,785	
	Durable goods industries.....	87,640	85,646	86,582	82,669	+2.3	-1.1	+4.7	83,172	76,658	92,512	83,953	651,849	622,229	
	With unfilled orders.....	69,969	69,953	70,447	67,347	0.0	-0.7	+4.6	67,683	62,725	74,903	67,793	531,498	524,656	
32	Stone, clay, and glass products.	4,192	3,987	4,150	4,039	+5.1	-3.9	+2.7	4,423	3,944	4,518	4,108	31,759	29,298	
322	Glass containers.....	430	411	411	422	+4.6	0.0	-2.6	450	406	458	430	3,337	3,259	
33	Primary metals.....	10,001	9,988	9,744	9,481	+0.1	+2.5	+2.8	9,536	8,904	10,201	9,714	74,022	75,682	
331	Blast furnaces, steel mills...	4,093	3,964	3,937	3,782	+3.3	+0.7	+4.1	3,839	3,524	4,122	3,774	29,596	34,523	
333-9	Nonferrous and other primary metals.....	4,803	4,973	4,793	4,702	-3.4	+3.8	+1.9	4,635	4,490	4,971	4,876	36,857	33,806	
34	Fabricated metal products.....	10,146	10,008	10,055	10,028	+1.4	-0.5	+0.3	10,209	9,217	10,757	10,198	78,071	77,706	
341	Metal cans, barrels, and drums	1,004	927	942	932	+8.3	-1.6	+1.1	1,171	1,003	1,043	967	7,663	7,931	
35	Machinery, except electrical....	15,008	15,410	15,224	14,429	-2.6	+1.2	+5.5	14,122	13,851	16,519	14,315	113,868	122,817	
351	Engines and turbines.....	1,013	1,042	1,034	1,001	-2.8	+0.8	+3.3	945	890	1,122	999	7,881	9,137	
352	Farm machinery and equipment..	852	851	888	937	+0.1	-4.2	-5.2	769	719	975	1,013	7,188	8,114	
353	Construction, mining, and material handling equipment..	2,147	2,583	2,529	2,370	-16.9	+2.1	+6.7	2,079	2,482	2,638	2,385	17,908	24,219	
354	Metalworking machinery.....	706	645	579	643	+9.5	+11.4	-10.0	634	563	642	623	5,033	6,833	
356	General industrial machinery..	1,364	1,261	1,196	1,107	+8.2	+5.4	+8.0	1,322	1,146	1,298	1,128	9,528	10,560	
357	Office and computing machines.	3,794	4,012	4,160	3,606	-5.4	-3.6	+15.4	3,650	3,422	4,501	3,329	28,494	25,166	
36	Electrical machinery.....	12,878	12,954	13,193	12,738	-0.6	-1.8	+3.6	12,485	11,553	13,989	12,605	99,400	93,424	
361,2	Electrical transmissioo and distribution equipment and industrial apparatus.....	1,885	1,704	1,777	1,682	+10.6	-4.1	+5.6	1,816	1,484	1,912	1,729	14,093	14,870	
363	Household appliances.....	1,268	1,289	1,227	1,258	-1.6	+5.1	-2.5	1,311	1,235	1,333	1,237	9,784	8,018	
365	Radio and TV.....	776	812	734	732	-4.4	+10.6	+0.3	765	654	836	640	5,408	5,139	
366	Communication equipment.....	3,694	4,058	4,292	3,943	-9.0	-5.5	+8.9	3,516	3,658	4,597	3,992	31,151	29,031	
367	Electronic components.....	2,983	2,855	2,970	2,922	+4.5	-3.9	+1.6	2,884	2,581	3,050	2,916	22,412	20,912	
37	Transportation equipmeot.....	21,948	19,810	20,631	19,057	+10.8	-4.0	+8.3	18,414	16,744	22,284	20,030	152,860	130,704	
371	Motor vehicles and parts.....	14,688	12,710	12,847	12,097	+15.6	-1.1	+6.2	11,704	10,211	14,088	12,875	94,772	76,405	
372,6	Aircraft, missiles, and parts.	5,849	5,612	6,285	5,508	+4.2	-10.7	+14.1	5,384	5,113	6,654	5,638	45,904	40,979	
3731	Shipbuilding and military tank vehicles.....	776	811	824	770	-4.3	-1.6	+7.0	739	813	846	823	6,678	7,953	
38	Instruments and related products	4,075	4,338	4,087	3,964	-6.1	+6.1	+3.1	4,043	3,892	4,378	3,906	31,888	32,159	
381-4	Scientific and eogineering instruments.....	2,403	2,571	2,375	2,308	-6.5	+8.3	+2.9	2,338	2,265	2,534	2,264	18,774	18,539	
386	Photographic goods.....	1,471	1,540	1,510	1,454	-4.5	+2.0	+3.9	1,495	1,424	1,632	1,440	11,513	12,125	
24,25, 29	All other durable goods.....	9,392	9,151	9,498	8,933	+2.6	-3.7	+6.3	9,940	8,553	9,866	9,077	69,981	60,439	
	Nondurable goods industries.....	87,681	86,952	87,338	85,296	+0.8	-0.4	+2.4	88,294	81,842	90,025	84,990	670,050	657,159	
	With unfilled orders.....	18,998	18,378	18,484	18,103	+3.4	-0.6	+2.1	19,210	17,027	18,820	17,984	142,842	134,129	
20	Food and kindred products.....	24,112	23,964	24,217	24,339	+0.6	-1.0	-0.5	24,222	22,498	24,980	23,904	187,893	182,555	
201	Meat products.....	5,507	5,529	5,762	5,710	-0.4	-4.0	+0.9	5,666	5,292	5,744	5,659	44,125	43,424	
208	Beverages.....	3,649	3,679	3,504	3,662	-0.8	+5.0	-4.3	3,872	3,856	4,013	3,819	28,607	27,339	
207	Fats and oils.....	1,435	1,334	1,438	1,442	+7.6	-7.2	-0.3	1,403	1,241	1,389	1,352	10,527	10,518	
203-6,9	All other foods.....	10,260	10,241	10,333	10,313	+0.2	-0.9	+0.2	10,014	8,909	10,530	9,859	79,275	76,038	
21	Tobacco products.....	1,442	1,347	1,763	1,405	+7.1	-23.6	+25.5	1,506	1,374	1,803	1,414	11,009	9,237	
22	Textile mill products.....	4,523	4,476	4,395	4,270	+1.1	+1.8	+2.9	4,615	3,775	4,763	4,332	33,576	31,221	
26	Paper and allied products.....	7,282	7,124	7,126	6,918	+2.2	0.0	+3.0	7,459	6,676	7,423	6,975	55,980	53,174	
261-3,6	Pulp, paper etc.	3,086	3,051	3,045	2,910	+1.1	+0.2	+4.6	3,102	2,848	3,187	2,995	23,739	22,728	
265	Paperboard containers.....	1,612	1,607	1,591	1,548	+0.3	+1.0	+2.8	1,646	1,496	1,642	1,554	12,445	12,284	
264	All other paper products.....	2,584	2,466	2,490	2,460	+4.8	-1.0	+1.2	2,711	2,332	2,594	2,426	19,796	18,162	
28	Chemicals and allied products..	16,058	15,825	16,178	15,681	+1.5	-2.2	+3.2	15,456	14,330	17,010	16,307	123,388	117,583	
281,6	Industrial chemicals, except pigments	5,075	5,151	5,186	4,871	-1.5	-0.7	+6.5	4,862	4,718	5,420	4,944	38,604	38,297	
283,4	Drugs, soaps, and toiletries ..	4,087	3,883	4,222	4,164	+5.3	-8.0	+1.4	3,980	3,530	4,438	3,877	32,032	32,045	
29	Petroleum and coal products ...	16,617	16,920	16,501	15,834	-1.8	+2.5	+4.2	16,667	16,610	16,789	15,835	125,560	137,961	
30	Rubber and plastics products....	4,394	4,429	4,390	4,231	-0.8	+0.9	+3.8	4,513	4,118	4,614	4,237	33,941	34,012	
23,27, 31	All other nondurable goods.....	13,253	12,867	12,768	12,618	+3.0	+0.8	+1.2	13,856	12,461	12,643	11,986	98,703	91,416	
	Market categories:														
	Home goods and apparel.....	12,326	12,369	12,107	11,769	-0.3	+2.2	+2.9	13,353	11,369	12,411	11,182	92,457	86,116	
	Consumer staples.....	32,297	31,680	32,713	32,423	+1.9	-3.2	+0.9	32,289	29,968	33,765	31,756	250,780	240,824	
	Equipment and defense products, except automotive.....	24,345	24,993	25,424	23,448	-2.6	-1.7	+8.4	23,130	22,545	27,302	23,539	189,844	193,128	
	Automotive equipmeot.....	16,641	14,635	14,783	13,998	+13.7	-1.0	+5.6	13,733	12,074	16,134	14,850	110,009	89,094	
	Construction materials, supplies and intermediate products.....	13,325	13,198	13,552	13,018	+1.0	-2.6	+4.1	14,096	13,014	14,666	13,381	102,087	90,782	
	Other materials, supplies, and intermediate products	76,387	75,723	75,341	73,309	+0.9	+0.5	+2.8	74,865	69,530	78,259	74,235	576,722	579,444	
	Supplementary series: ²														
	Capital goods industries.....	27,907	28,253	28,953	26,788	-1.2	-2.4	+8.1	26,338	25,471	30,963	26,739	215,453	218,602	
	Nondefense.....	22,458	22,570	23,616	21,612	-0.5	-4.4	+9.3	21,157	20,266	25,381	21,467	173,705	182,794	
	Defense.....	5,449	5,683	5,337	5,176	-4.1	+6.5	+3.1	5,181	5,205	5,582	5,272	41,748	35,808	
	Household durable goods industries.....	5,475	5,461	5,534	5,284	+0.3	-1.3	+4.7	5,735	4,745	5,656	5,152	40,914	37,955	

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

SIC Code	Industry	(Millions of dollars)												
		Seasonally adjusted							Not seasonally adjusted ¹					
		Monthly				Percent change			Monthly				Year to date	
		Aug. 1983P	July 1983P	June 1983	May 1983	July- Aug. P	June- July P	May- June	Aug. 1983P	July 1983P	June 1983	May 1983	1983P	1982
	All manufacturing industries	177,314	175,455	178,489	169,874	+1.1	-1.7	+5.1	171,798	160,105	183,816	168,383	1,338,520	1,260,139
	Manufacturing industries with unfilled orders.....	90,960	91,188	93,500	87,359	-0.3	-2.5	+7.0	87,225	81,357	95,002	85,217	690,961	639,536
	Durable goods industries.....	89,306	88,234	90,905	84,456	+1.2	-2.9	+7.6	83,144	77,987	93,788	83,297	666,726	603,995
	With unfilled orders.....	71,635	72,541	74,770	69,134	-1.2	-3.0	+8.2	67,655	64,054	76,179	67,137	546,375	506,422
32	Stone, clay, and glass products.	4,217	3,994	4,233	4,061	+5.6	-5.6	+4.2	4,389	3,990	4,561	4,163	32,127	28,852
33	Primary metals.....	10,909	10,407	10,113	9,963	+4.8	+2.9	+1.5	10,377	9,096	9,886	9,546	77,832	70,660
331	Blast furnaces, steel mills...	4,697	4,342	3,925	4,173	+8.2	+10.6	-5.9	4,396	3,699	3,646	3,695	31,702	31,215
333-9	Nonferrous and other primary metals.....	5,213	4,983	5,109	4,714	+4.6	-2.5	+8.4	5,008	4,427	5,136	4,760	38,460	32,848
34	Fabricated metal products.....	10,111	9,885	10,133	10,036	+2.3	-2.4	+1.0	9,985	9,220	10,777	10,145	77,799	74,104
35	Machinery, except electrical...	15,313	14,844	15,467	14,956	+3.2	-4.0	+3.4	13,864	13,269	16,648	14,564	113,042	109,955
351	Engines and turbines.....	965	1,026	767	1,171	-5.9	+33.8	-34.5	952	841	713	1,136	7,259	7,732
353	Construction, mining, and material handling equipment..	2,270	2,543	2,543	2,539	-10.7	0.0	+0.2	2,129	2,475	2,635	2,426	17,770	19,770
354	Metalworking machinery.....	818	696	610	694	+17.5	+14.1	-12.1	795	626	681	654	5,074	4,907
356	General industrial machinery..	1,221	1,202	1,079	1,096	+1.6	+11.4	-1.6	1,195	1,114	1,149	1,121	9,133	9,634
357	Office and computing machines.	3,770	3,576	4,739	3,649	+5.4	-24.5	+29.9	2,981	3,013	5,258	3,481	28,578	23,560
36	Electrical machinery.....	13,545	14,713	13,432	13,849	-7.9	+9.5	-3.0	13,221	12,976	13,863	13,372	105,461	97,652
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	1,917	1,721	1,898	1,480	+11.4	-9.3	+28.2	1,864	1,507	1,974	1,526	14,042	14,052
363	Household appliances.....	1,303	1,287	1,210	1,281	+1.2	+6.4	-5.5	1,345	1,246	1,326	1,269	9,996	8,090
365	Radio and TV.....	534	974	682	983	-45.2	+42.8	-30.6	618	845	883	878	5,541	5,264
366	Communication equipment.....	3,912	4,447	4,616	4,339	-12.0	-3.7	+6.4	3,722	3,702	4,330	4,245	33,154	33,564
367	Electronic components.....	3,551	4,031	2,817	3,561	-11.9	+43.1	-20.9	3,398	3,705	3,065	3,370	26,000	21,199
37	Transportation equipment.....	21,766	20,495	23,442	18,377	+6.2	-12.6	+27.6	17,210	16,492	23,387	18,167	155,834	129,768
372,6	Aircraft, missiles, and parts.	5,491	5,043	8,512	4,349	+8.9	-40.8	+95.7	4,022	4,072	7,950	3,863	47,695	43,217
3731	Shipbuilding and military tank vehicles.....	298	1,680	1,180	1,170	-82.3	+42.4	+0.9	291	1,095	543	774	6,497	6,715
38	Instruments and related products	4,096	4,487	4,340	4,045	-8.7	+3.4	+7.3	4,075	4,008	4,691	3,929	32,705	32,180
24,25, 39	All other durable goods.....	9,349	9,409	9,745	9,169	-0.6	-3.4	+6.3	10,023	8,936	9,975	9,411	71,926	60,824
	Nondurable goods industries.....	88,008	87,221	87,584	85,418	+0.9	-0.4	+2.5	88,654	82,118	90,028	85,086	671,794	656,144
	With unfilled orders.....	19,325	18,647	18,730	18,225	+3.6	-0.4	+2.8	19,570	17,303	18,823	18,080	144,586	133,114
	Market categories:													
	Home goods and apparel.....	12,134	12,516	12,144	12,210	-3.1	+3.1	-0.5	13,214	11,706	12,462	11,704	93,927	86,550
	Consumer staples.....	32,283	31,639	32,670	32,439	+2.0	-3.2	+0.7	32,283	29,985	33,727	31,719	250,702	240,807
	Equipment and defense products, except automotive.....	24,120	24,998	27,995	23,634	-3.5	-10.7	+18.5	21,134	21,356	28,004	22,387	191,058	187,918
	Automotive equipment.....	17,287	15,001	15,010	14,059	+15.2	-0.1	+6.8	14,339	12,537	16,258	14,794	111,307	87,410
	Construction materials, supplies and intermediate products.....	13,494	13,029	13,616	12,755	+3.6	-4.3	+6.8	14,091	12,876	14,669	13,229	102,375	88,857
	Other materials, supplies, and intermediate products.....	77,996	78,272	77,054	74,777	-0.4	+1.6	+3.0	76,737	71,645	78,696	74,550	589,151	568,597
	Supplementary series: ²													
	Capital goods industries.....	27,542	28,481	32,228	27,010	-3.3	-11.6	+19.3	24,464	24,355	31,888	25,428	218,658	210,633
	Nondefense.....	22,965	21,580	24,289	22,228	+6.4	-11.2	+9.3	21,229	19,541	25,574	21,315	170,910	165,906
	Defense.....	4,577	6,901	7,939	4,782	-33.7	-13.1	+66.0	3,235	4,814	6,314	4,113	47,748	44,727
	Household durable goods industries.....	5,299	5,611	5,538	5,701	-5.6	+1.3	-2.9	5,636	5,065	5,688	5,639	42,322	38,463

P Preliminary. R Revised.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are, as of the end of the period and are not adjusted for trading-day or calendar-month variations.

² The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Nondefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.

Table 3. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millioos of dollars)														
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted ¹					
		End of month				Percent change			Eod of Month					
		Aug. 1983 ^b	July 1983 ^r	June 1983	May 1983	July- Aug.P	June- July ^r	May- June	Aug. 1983P	July 1983 ^r	June 1983	May 1983	Aug. 1982	
	All manufacturing industries..	320,342	318,348	315,488	310,922	+0.6	+0.9	+1.5	316,355	316,018	314,420	313,139	302,153	
	Durable goods industries.....	309,629	307,963	305,374	301,053	+0.5	+0.8	+1.4	305,631	305,658	304,334	303,057	293,401	
32	Stone, clay, and glass products...	2,015	1,990	1,982	1,899	+1.3	+0.4	+4.4	2,024	2,057	2,011	1,968	1,803	
33	Primary metals.....	24,739	23,830	23,410	23,042	+3.8	+1.8	+1.6	24,100	23,260	23,068	23,383	21,423	
331	Blast furoaces, steel mills.....	14,643	14,038	13,660	13,672	+4.3	+2.8	-0.1	14,174	13,617	13,442	13,918	12,676	
333-9	Nonferrous and other primary metals.....	7,815	7,405	7,394	7,079	+5.5	+0.1	+4.4	7,666	7,294	7,357	7,192	6,356	
34	Fabricated metal products.....	20,933	20,967	21,090	21,012	-0.2	-0.6	+0.4	20,969	21,193	21,190	21,170	24,823	
35	Machinery, except electrical.....	55,191	54,888	55,455	55,213	+0.6	-1.0	+0.4	54,706	54,965	55,547	55,416	60,366	
351	Engioes and turbines.....	14,555	14,604	14,620	14,888	-0.3	-0.1	-1.8	14,437	14,430	14,480	14,888	16,345	
353	Construction, minio, and material handling equipment....	5,568	5,445	5,485	5,471	+2.3	-0.7	+0.3	5,495	5,445	5,452	5,455	6,970	
354	Metalworking machioery.....	2,390	2,277	2,226	2,195	+5.0	+2.3	+1.4	2,435	2,275	2,212	2,173	3,032	
356	Geoeal industrial machinery....	4,254	4,397	4,456	4,573	-3.3	-1.3	-2.6	4,297	4,424	4,456	4,605	5,378	
357	Office and computing machines...	18,394	18,418	18,854	18,275	-0.1	-2.3	+3.2	18,228	18,897	19,306	18,549	18,290	
36	Electrical machinery.....	65,745	65,076	63,317	63,078	+1.0	+2.8	+0.4	65,666	64,928	63,510	63,634	57,314	
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	6,659	6,626	6,610	6,488	+0.5	+0.2	+1.9	6,710	6,661	6,640	6,578	6,914	
363	Household appliances.....	473	439	441	458	+7.7	-0.5	-3.7	518	484	473	479	345	
365	Radio and TV.....	401	642	480	532	-37.5	+33.8	-9.8	538	685	495	448	559	
366	Communication equipment.....	41,036	40,818	40,428	40,105	+0.5	+1.0	+0.8	40,509	40,302	40,259	40,526	35,603	
367	Electronic components.....	15,830	15,261	14,085	14,238	+3.7	+8.3	-1.1	16,004	15,490	14,367	14,352	12,603	
37	Transportatio equipment.....	128,096	128,279	127,593	124,783	-0.1	+0.5	+2.3	124,817	126,019	126,273	125,171	115,348	
372,6	Aircraft, missiles, and parts...	97,254	97,612	98,181	95,954	-0.4	-0.6	+2.3	95,142	96,502	97,543	96,247	91,482	
3731	Shipbuilding and military tank vehicles.....	23,568	24,046	23,177	22,822	-2.0	+3.7	+1.6	22,563	23,011	22,729	23,033	18,525	
38	Instruments and related products..	7,743	7,722	7,573	7,320	+0.3	+2.0	+3.5	7,790	7,759	7,643	7,331	7,192	
24,25, 39	All other durable goods.....	5,167	5,211	4,954	4,706	-0.8	+5.2	+5.3	5,559	5,477	5,092	4,984	4,720	
	Nondurable goods industries.....	10,713	10,385	10,114	9,869	+3.2	+2.7	+2.5	10,724	10,360	10,086	10,082	8,752	
	Market categories:													
	Home goods and apparel.....	4,008	4,199	4,051	4,015	-4.5	+3.7	+0.9	4,472	4,612	4,274	4,224	4,132	
	Consumer staples.....	677	691	732	775	-2.0	-5.6	-5.5	688	694	677	714	741	
	Equipment and defense products, except automotive.....	187,987	188,212	188,209	185,639	-0.1	0.0	+1.4	184,252	186,248	187,439	186,736	180,255	
	Automotive equipment.....	6,811	6,166	5,800	5,573	+10.5	+6.3	+4.1	6,648	6,042	5,580	5,456	4,780	
	Construction materials, supplies and intermediate products.....	12,692	12,523	12,691	12,627	+1.3	-1.3	+0.5	12,737	12,742	12,879	12,876	14,800	
	Other materials, supplies, and intermediate products	108,167	106,557	104,005	102,293	+1.5	+2.5	+1.7	107,558	105,680	103,571	103,133	97,445	
	Supplemeotary series: ²													
	Capital goods industries.....	226,915	227,281	227,053	223,780	-0.2	+0.1	+1.5	222,921	224,791	225,912	224,984	216,151	
	Nondefense.....	119,922	119,416	120,405	119,734	+0.4	-0.8	+0.6	119,485	119,411	120,141	119,945	128,530	
	Defense.....	106,993	107,865	106,648	104,046	-0.8	+1.1	+2.5	103,436	105,380	105,771	105,039	87,621	
	Household durable goods industries.....	3,551	3,726	3,575	3,572	-4.7	+4.2	+0.1	4,002	4,102	3,781	3,750	3,694	

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)													
SIC Code	Industry	Seasonally adjusted								Not seasonally adjusted ¹			
		End of month				Percent change				End of Month			
		Aug. 1983 ^P	July 1983 ^T	June 1983	May 1983	July-Aug. ^P	June-July ^T	May-June	Aug. 1983 ^P	July 1983 ^T	June 1983	May 1983	Aug. 1982
	All manufacturing industries..	259,880	258,176	257,390	258,149	+0.7	+0.3	-0.3	258,423	257,422	257,931	260,480	272,635
	Manufacturing industries with unfilled orders.....	176,803	175,846	176,144	176,910	+0.5	-0.2	-0.4	176,785	176,562	177,543	179,163	187,976
	Durable goods industries.....	170,504	169,693	169,840	170,734	+0.5	-0.1	-0.5	170,142	169,590	170,623	172,589	181,159
	With unfilled orders.....	155,957	155,127	155,658	156,542	+0.5	-0.3	-0.6	155,749	155,374	156,431	158,170	166,669
32	Stone, clay, and glass products...	5,758	5,725	5,694	5,727	+0.6	+0.5	-0.6	5,690	5,757	5,797	5,923	6,012
322	Glass containers.....	603	614	630	640	-1.8	-2.5	-1.6	612	630	638	658	663
33	Primary metals.....	20,009	20,105	20,302	20,563	-0.5	-1.0	-1.3	19,867	20,047	20,152	20,584	23,392
331	Blast furnaces, steel mills.....	9,557	9,771	9,808	9,961	-2.2	-0.4	-1.5	9,576	9,751	9,681	9,851	12,099
333-9	Nonferrous and other primary metals.....	9,247	9,172	9,323	9,434	+0.8	-1.6	-1.2	9,118	9,153	9,295	9,528	10,105
34	Fabricated metal products.....	17,754	17,603	17,418	17,310	+0.9	+1.1	+0.6	17,609	17,672	17,710	17,726	19,099
341	Metal cans, barrels, and drums...	2,076	2,105	1,954	2,040	-1.4	+7.7	-4.2	1,979	2,212	2,173	2,293	1,794
35	Machinery, except electrical.....	37,324	37,310	37,842	38,197	0.0	-1.4	-0.9	37,142	37,340	38,056	38,686	42,424
351	Engines and turbines.....	2,145	2,193	2,155	2,178	-2.2	+1.8	-1.1	2,109	2,146	2,155	2,198	2,538
352	Farm machinery and equipment....	1,949	1,902	1,953	1,901	+2.5	-2.6	+2.7	1,916	1,885	1,998	1,964	2,366
353	Construction, mining, and material handling equipment....	7,537	7,466	7,782	7,991	+1.0	-4.1	-2.6	7,462	7,489	7,852	8,103	10,115
354	Metalworking machinery.....	2,270	2,311	2,292	2,272	-1.8	+0.8	+0.9	2,274	2,323	2,301	2,296	2,591
356	General industrial machinery....	3,681	3,741	3,823	3,924	-1.6	-2.1	-2.6	3,655	3,749	3,857	3,947	4,010
357	Office and computing machines....	9,910	9,896	9,871	9,827	+0.1	+0.3	+0.4	9,999	9,995	9,881	9,905	9,778
36	Electrical machinery.....	27,095	26,791	26,711	26,424	+1.1	+0.3	+1.1	27,133	26,922	27,094	26,946	27,367
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,009	3,966	3,977	3,975	+1.1	-0.3	+0.1	3,996	3,975	4,015	4,060	4,363
363	Household appliances.....	1,767	1,794	1,925	1,829	-1.5	-6.8	+5.2	1,737	1,821	2,019	1,962	1,835
365	Radio and TV.....	972	944	981	944	+3.0	-3.8	+3.9	1,017	989	1,009	991	1,302
366	Communication equipment.....	10,758	10,677	10,449	10,399	+0.8	+2.2	+0.5	10,744	10,658	10,461	10,477	10,107
367	Electronic components.....	5,583	5,438	5,381	5,353	+2.7	+1.1	+0.5	5,589	5,487	5,472	5,406	5,581
37	Transportation equipment.....	39,471	39,334	39,267	39,826	+0.3	+0.2	-1.4	39,586	38,971	38,943	39,739	39,194
371	Motor vehicles and parts.....	8,403	8,594	8,375	8,466	-2.2	+2.6	-1.1	8,495	8,081	8,092	8,333	8,534
372,6	Aircraft, missiles, and parts....	28,056	27,737	27,928	28,390	+1.2	-0.7	-1.6	28,136	27,964	27,928	28,466	27,440
3731	Shipbuilding and military tank vehicles.....	1,553	1,582	1,573	1,615	-1.8	+0.6	-2.6	1,554	1,589	1,592	1,605	1,681
38	Instruments and related products..	8,985	8,873	8,840	8,965	+1.3	+0.4	-1.4	8,984	8,942	9,039	9,153	9,572
381-4	Scientific and engineering instruments.....	6,420	6,369	6,360	6,489	+0.8	+0.1	-2.0	6,394	6,407	6,488	6,580	6,572
386	Photographic goods.....	2,034	1,965	1,952	1,956	+3.5	+0.7	-0.2	2,065	1,995	2,014	2,036	2,407
24,25, 39	All other durable goods.....	14,108	13,952	13,766	13,722	+1.1	+1.4	+0.3	14,131	13,939	13,832	13,832	14,099
	Nondurable goods industries.....	89,376	88,483	87,550	87,415	+1.0	+1.1	+0.2	88,281	87,832	87,308	87,891	91,476
	With unfilled orders.....	20,846	20,719	20,486	20,368	+0.6	+1.1	+0.6	21,036	21,188	21,112	20,993	21,307
20	Food and kindred products.....	21,206	20,325	20,201	20,496	+4.3	+0.6	-1.4	20,601	19,437	19,136	19,641	20,723
201	Meat products.....	1,963	1,974	1,970	2,043	-0.6	+0.2	-3.6	1,871	1,909	1,966	2,066	1,963
208	Beverages.....	3,569	3,600	3,687	3,685	-0.9	-2.4	+0.1	3,376	3,445	3,609	3,692	3,412
207	Fats and oils.....	1,765	1,308	1,187	1,226	+34.9	+10.2	-3.2	1,403	1,133	1,099	1,188	997
203-6,9	All other foods.....	12,210	11,700	11,636	11,833	+4.4	+0.6	-1.7	12,210	11,162	10,705	10,934	12,626
21	Tobacco products.....	4,641	5,030	4,708	4,609	-7.7	+6.8	+2.1	4,316	4,477	4,416	4,503	4,317
22	Textile mill products.....	6,671	6,605	6,478	6,349	+1.0	+2.0	+2.0	6,597	6,600	6,561	6,574	6,273
26	Paper and allied products.....	8,372	8,334	8,326	8,347	+0.5	+0.1	-0.3	8,358	8,430	8,545	8,597	8,585
261-3,6	Pulp, paper etc.	3,216	3,242	3,272	3,305	-0.8	-0.9	-1.0	3,226	3,238	3,315	3,373	3,390
265	Paperboard containers.....	2,192	2,167	2,152	2,155	+1.2	+0.7	-0.1	2,198	2,230	2,238	2,218	2,256
264	All other paper products.....	2,964	2,925	2,902	2,887	+1.3	+0.8	+0.5	2,934	2,962	2,992	3,006	2,939
28	Chemicals and allied products....	19,946	19,509	19,253	19,267	+2.2	+1.3	-0.1	19,488	19,429	19,176	19,521	20,641
281,6	Industrial chemicals, except pigments.....	5,902	5,764	5,789	5,862	+2.4	-0.4	-1.2	5,837	5,805	5,794	5,968	6,650
283,4	Drugs, soaps, and toiletries ...	6,287	6,228	6,150	6,206	+0.9	+1.3	-0.9	6,287	6,277	6,292	6,367	6,436
29	Petroleum and coal products	8,277	8,487	8,505	8,584	-2.5	-0.2	-0.9	8,429	8,595	8,493	8,517	9,524
30	Rubber and plastics products.....	5,661	5,722	5,734	5,656	-1.1	-0.2	+1.4	5,511	5,691	5,790	5,822	5,893
23,27, 31	All other nondurable goods.....	14,602	14,471	14,345	14,107	+0.9	+0.9	+1.7	14,981	15,173	15,191	14,716	15,520
	Market categories:												
	Home goods and apparel.....	20,271	20,229	20,226	19,893	+0.2	0.0	+1.7	20,523	20,797	21,149	20,767	21,384
	Consumer staples.....	33,325	33,237	32,812	32,982	+0.3	+1.3	-0.5	32,818	32,099	31,782	32,276	33,730
	Equipment and defense products, except automotive.....	73,270	72,899	73,193	74,126	+0.5	-0.4	-1.3	73,072	73,069	73,523	74,804	77,369
	Automotive equipment.....	10,506	10,635	10,426	10,509	-1.2	+2.0	-0.8	10,492	10,027	10,101	10,406	10,626
	Construction materials, supplies and intermediate products.....	19,276	19,018	18,777	18,545	+1.4	+1.3	+1.3	19,059	18,951	18,961	18,855	19,524
	Other materials, supplies, and intermediate products	103,232	102,158	101,956	102,094	+1.1	+0.2	-0.1	102,459	102,479	102,415	103,372	110,002
	Supplementary series: ²												
	Capital goods industries.....	83,153	82,781	83,256	84,006	+0.4	-0.6	-0.9	83,080	83,067	83,650	84,838	87,416
	Nondefense.....	65,299	65,433	65,945	66,766	-0.2	-0.8	-1.2	65,162	65,464	66,088	67,388	72,653
	Defense.....	17,854	17,348	17,311	17,240	+2.9	+0.2	+0.4	17,918	17,603	17,562	17,450	14,763
	Household durable goods industries.....	9,713	9,774	9,862	9,786	-0.6	-0.9	+0.8	9,839	9,932	10,130	10,105	10,575

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of Dollars)														
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted					
		End of Month				Percent change			End of Month					
		Aug. 1983P	July 1983 ^r	June 1983	May 1983	July-Aug. ^p	June-July ^r	May-June	Aug. 1983P	July 1983 ^r	June 1983	May 1983	Aug. 1982	
MATERIALS AND SUPPLIES														
	All manufacturing industries..	86,719	85,168	85,322	85,174	+1.8	-0.2	+0.2	85,765	84,906	85,019	85,427	90,509	
	Durable goods industries.....	51,001	50,137	50,333	50,582	+1.7	-0.4	-0.5	50,975	50,241	50,238	50,545	54,898	
32	Stone, clay, and glass products...	1,950	1,901	1,911	1,928	+2.6	-0.5	-0.9	1,930	1,915	1,917	1,929	2,086	
33	Primary metals	6,697	6,808	6,944	7,078	-1.6	-2.0	-1.9	6,654	6,747	6,816	6,901	8,522	
34	Fabricated metal products.....	6,806	6,708	6,657	6,712	+1.5	+0.8	-0.8	6,770	6,781	6,676	6,771	7,141	
35	Machinery, except electrical.....	10,508	10,597	10,769	10,998	-0.8	-1.6	-2.1	10,471	10,645	10,793	11,015	11,836	
36	Electrical Machinery.....	7,417	7,161	7,283	7,206	+3.6	-1.7	+1.1	7,486	7,326	7,372	7,312	7,692	
37	Transportation equipment.....	9,896	9,445	9,281	9,123	+4.8	+1.8	+1.7	9,901	9,291	9,271	9,179	9,397	
38	Instruments and related products..	2,535	2,476	2,489	2,601	+2.4	-0.5	-4.3	2,522	2,486	2,521	2,606	2,963	
24,25, 39	All other durable goods.....	5,192	5,041	4,999	4,936	+3.0	+0.8	+1.3	5,241	5,050	4,872	4,832	5,261	
	Nondurable goods industries.....	35,718	35,031	34,989	34,592	+2.0	+0.1	+1.1	34,790	34,665	34,781	34,882	35,611	
20	Food and kindred products.....	8,009	7,468	7,530	7,539	+7.2	-0.8	-0.1	7,532	7,236	7,269	7,444	7,184	
21	Tobacco products.....	4,094	4,338	4,172	4,047	-5.6	+4.0	+3.1	3,822	3,895	3,926	3,991	3,890	
22	Textile mill products.....	2,093	2,076	1,941	1,892	+0.8	+7.0	+2.6	2,034	2,085	2,002	1,985	1,884	
26	Paper and allied products.....	4,150	4,082	4,157	4,151	+1.7	-1.8	+0.1	4,175	4,166	4,201	4,175	4,258	
28	Chemicals and allied products....	7,541	7,302	7,265	7,212	+3.3	+0.5	+0.7	7,401	7,335	7,225	7,335	7,902	
29	Petroleum and coal products.....	2,235	2,288	2,477	2,446	-2.3	-7.6	+1.3	2,206	2,294	2,519	2,542	2,512	
30	Rubber and plastics products.....	1,983	2,032	2,050	2,001	-2.4	-0.9	+2.4	1,941	2,065	2,077	2,008	1,974	
23,27, 31	All other nondurable goods.....	5,613	5,445	5,397	5,304	+3.1	+0.9	+1.8	5,679	5,589	5,562	5,402	6,257	
WORK IN PROCESS														
	All manufacturing industries..	90,137	90,522	90,134	90,860	-0.4	+0.4	-0.8	90,503	90,350	89,982	91,464	94,624	
	Durable goods industries.....	75,650	76,081	75,928	76,686	-0.6	+0.2	-1.0	75,985	75,909	75,830	77,118	79,250	
32	Stone, clay, and glass products...	795	786	843	829	+1.1	-6.8	+1.7	781	783	874	873	900	
33	Primary metals	7,286	7,350	7,202	7,285	-0.9	+2.1	-1.1	7,407	7,430	7,207	7,365	8,561	
34	Fabricated metal products.....	6,201	6,098	6,058	6,011	+1.7	+0.7	+0.8	6,193	6,160	6,190	6,177	6,629	
35	Machinery, except electrical.....	15,049	15,195	15,473	15,621	-1.0	-1.8	-0.9	15,040	15,021	15,336	15,752	17,349	
36	Electrical Machinery.....	14,242	14,301	13,985	13,888	-0.4	+2.3	+0.7	14,290	14,288	14,087	14,023	13,638	
37	Transportation equipment.....	24,791	25,070	25,117	25,837	-1.1	-0.2	-2.8	24,927	24,915	24,813	25,659	24,744	
38	Instruments and related products..	3,977	3,970	4,027	4,005	+0.2	-1.4	+0.5	3,997	3,993	4,083	4,060	4,121	
24,25, 39	All other durable goods.....	3,309	3,311	3,223	3,210	-0.1	+2.7	+0.4	3,350	3,319	3,240	3,209	3,308	
	Nondurable goods industries.....	14,487	14,441	14,206	14,174	+0.3	+1.7	+0.2	14,518	14,441	14,152	14,346	15,374	
20	Food and kindred products.....	1,820	1,735	1,710	1,759	+4.9	+1.5	-2.8	1,728	1,679	1,702	1,770	1,833	
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
22	Textile mill products.....	2,114	2,090	2,098	2,048	+1.1	-0.4	+2.4	2,114	2,070	2,060	2,073	2,010	
26	Paper and allied products.....	1,042	1,092	1,038	1,034	-4.6	+5.2	+0.4	1,061	1,092	1,070	1,052	1,105	
28	Chemicals and allied products....	3,397	3,331	3,267	3,261	+2.0	+2.0	+0.2	3,354	3,319	3,262	3,323	3,521	
29	Petroleum and coal products.....	1,786	1,747	1,820	1,859	+2.2	-4.0	-2.1	1,802	1,783	1,823	1,874	2,259	
30	Rubber and plastics products.....	997	1,000	970	922	-0.3	+3.1	+5.2	986	988	948	923	1,209	
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
FINISHED GOODS														
	All manufacturing industries..	83,024	82,486	81,934	82,115	+0.7	+0.7	-0.2	82,155	82,166	82,930	83,589	87,502	
	Durable goods industries.....	43,853	43,475	43,579	43,466	+0.9	-0.2	+0.3	43,182	43,440	44,555	44,926	47,011	
32	Stone, clay, and glass products...	3,013	3,038	2,940	2,970	-0.8	+3.3	-1.0	2,979	3,059	3,006	3,121	3,026	
33	Primary metals	6,026	5,947	6,156	6,200	+1.3	-3.4	-0.7	5,806	5,870	6,129	6,318	6,309	
34	Fabricated metal products.....	4,747	4,797	4,703	4,587	-1.0	+2.0	+2.5	4,646	4,731	4,844	4,778	5,329	
35	Machinery, except electrical.....	11,767	11,518	11,600	11,578	+2.2	-0.7	+0.2	11,631	11,674	11,927	11,919	13,239	
36	Electrical Machinery.....	5,436	5,329	5,443	5,330	+2.0	-2.1	+2.1	5,357	5,308	5,635	5,611	6,037	
37	Transportation equipment.....	4,784	4,819	4,869	4,866	-0.7	-1.0	+0.1	4,758	4,765	4,859	4,901	5,053	
38	Instruments and related products..	2,473	2,427	2,324	2,359	+1.9	+4.4	-1.5	2,465	2,463	2,435	2,487	2,488	
24,25, 39	All other durable goods.....	5,607	5,600	5,544	5,576	+0.1	+1.0	-0.6	5,540	5,570	5,720	5,791	5,530	
	Nondurable goods industries.....	39,171	39,011	38,355	38,649	+0.4	+1.7	-0.8	38,973	38,726	38,375	38,663	40,491	
20	Food and kindred products.....	11,377	11,122	10,961	11,198	+2.3	+1.5	-2.1	11,341	10,522	10,165	10,427	11,706	
21	Tobacco products.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
22	Textile mill products.....	2,464	2,439	2,439	2,409	+1.0	0.0	+1.2	2,449	2,445	2,499	2,516	2,379	
26	Paper and allied products.....	3,180	3,160	3,131	3,162	+0.6	+0.9	-1.0	3,122	3,172	3,274	3,370	3,222	
28	Chemicals and allied products....	9,008	8,876	8,721	8,794	+1.5	+1.8	-0.8	8,733	8,775	8,689	8,863	9,218	
29	Petroleum and coal products.....	4,256	4,452	4,208	4,279	-4.4	+5.8	-1.7	4,421	4,518	4,151	4,101	4,753	
30	Rubber and plastics products.....	2,681	2,690	2,714	2,733	-0.3	-0.9	-0.7	2,584	2,638	2,765	2,891	2,710	
23,27, 31	All other nondurable goods.....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	

^PPreliminary. ^rRevised. (S) Suppressed because data do not meet Census Bureau publication standards.

Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio ¹			
		Aug. 1983 ^P	July 1983 ^r	June 1983	May 1983	Aug. 1983 ^P	July 1983 ^r	June 1983	May 1983
	All manufacturing industries.....	1.48	1.50	1.48	1.54	3.60	3.60	3.55	3.64
	Durable goods industries.....	1.95	1.98	1.96	2.07	4.43	4.40	4.33	4.47
32	Stone, clay, and glass products.....	1.37	1.44	1.37	1.42	0.54	0.56	0.53	0.53
33	Primary metals.....	2.00	2.01	2.08	2.17	2.47	2.39	2.40	2.43
34	Fabricated metal products.....	1.75	1.76	1.73	1.73	2.29	2.31	2.31	2.31
35	Machinery, except electrical.....	2.49	2.42	2.49	2.65	3.90	3.77	3.87	4.09
36	Electrical machinery.....	2.10	2.07	2.02	2.07	5.11	5.02	4.80	4.95
37	Transportation equipment.....	1.80	1.99	1.90	2.09	11.32	11.62	10.94	11.76
38	Instruments and related products.....	2.20	2.05	2.16	2.26	1.90	1.78	1.85	1.85
	Nondurable goods industries.....	1.02	1.02	1.00	1.02	0.56	0.57	0.55	0.55
20	Food and kindred products.....	0.88	0.85	0.83	0.84	(X)	(X)	(X)	(X)
21	Tobacco products.....	3.22	3.73	2.67	3.28	(X)	(X)	(X)	(X)
22	Textile mill products.....	1.47	1.48	1.47	1.49	1.41	1.36	1.31	1.31
26	Paper and allied products.....	1.15	1.17	1.17	1.21	0.46	0.46	0.44	0.45
28	Chemicals and allied products.....	1.24	1.23	1.19	1.23	(X)	(X)	(X)	(X)
29	Petroleum and coal products.....	0.50	0.50	0.52	0.54	(X)	(X)	(X)	(X)
30	Rubber and plastics products.....	1.29	1.29	1.31	1.34	(X)	(X)	(X)	(X)

^PPreliminary. ^rRevised. (X) Not applicable. (NA) Not available.¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago Aug. 1982	All Augs. 1978-1982	Aug. 1982-July 1983	Year ago Aug. 1982	All Augs. 1978-1982	Aug. 1982-July 1983	Year ago Aug. 1982	All Augs. 1978-1982	Aug. 1982-July 1983	Year ago Aug. 1982	All Augs. 1978-1982	Aug. 1982-July 1983
	All manufacturing industries...	0.6	0.5	0.4	0.1	0.4	0.4	0.2	0.1	0.2	0.1	0.1	0.1
	Durable goods industries.....	0.2	0.4	0.3	0.3	0.8	0.7	0.1	0.1	0.2	0.1	0.1	0.1
32	Stone, clay, and glass products.....	2.2	1.0	1.2	1.5	1.3	1.5	1.2	0.9	1.6	0.1	0.4	0.7
33	Primary metals.....	0.4	0.6	0.9	0.4	0.5	1.4	0.0	0.1	0.4	0.2	0.1	0.3
34	Fabricated metal products.....	0.8	0.4	1.0	2.8	1.0	2.0	0.7	0.3	0.5	0.1	0.3	0.3
35	Machinery, except electrical.....	0.9	1.7	0.9	4.5	3.6	2.3	1.2	0.4	0.6	0.0	0.1	0.2
36	Electrical machinery.....	0.5	0.8	0.7	0.6	2.6	1.3	0.0	0.2	0.2	0.0	0.1	0.2
37	Transportation equipment.....	0.3	0.6	1.0	2.1	1.1	1.6	0.4	0.3	0.2	0.0	0.2	0.2
38	Instruments and related products....	0.1	0.4	0.7	0.9	0.8	1.2	0.6	0.4	0.6	0.2	0.1	0.5
	Nondurable goods industries.....	0.8	0.4	0.5	0.7	0.4	0.4	0.6	1.2	0.5	0.4	0.3	0.3
20	Food and kindred products.....	1.0	1.0	0.6	(X)	(X)	(X)	(X)	(X)	(X)	1.3	1.1	0.6
21	Tobacco products.....	0.0	1.4	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.5	0.1
22	Textile mill products.....	1.2	0.7	1.3	0.1	1.6	1.2	1.1	1.5	1.0	0.2	0.2	0.5
26	Paper and allied products.....	0.8	0.8	1.1	0.7	1.7	1.8	0.2	2.6	1.6	0.2	0.6	0.4
28	Chemicals and allied products.....	1.6	1.1	1.0	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2	0.3
29	Petroleum and coal products.....	0.4	0.5	0.8	(X)	(X)	(X)	(X)	(X)	(X)	1.0	0.8	1.0
30	Rubber and plastics products.....	0.3	1.1	1.2	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.7	0.9
	Capital Goods Industries:												
	Nondefense.....	0.2	1.3	1.0	2.2	2.8	2.1	0.4	0.2	0.6	0.1	0.2	0.2
	Defense.....	0.4	2.4	0.9	1.1	3.2	4.1	0.0	0.3	0.4	0.1	0.1	0.5

(X) Not Applicable

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

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